SMD TUNING FORK
MODEL: FSX

FEATURES

- Extremely Small Size
- Low Cost
- 1.4mm Height Max
- Tape and Reel (3,000 pcs. STD)

DISCONTINUED

Quote it!

• PART NUMBER

Learn More - Internet Required

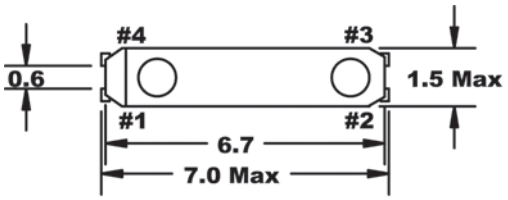
Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency
501-Frequency-xxxxx	FSX	-0.04PPM/(ΔºC)²	-40 ~ +85 ºC	32.768 kHz

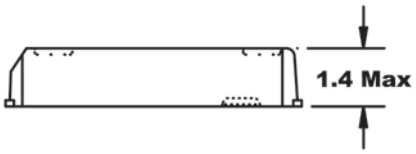
Learn more about:
Part Marking Identification
Tape and Reel Specification
Internet required

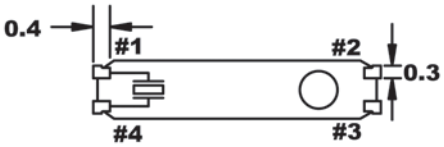
• STANDARD SPECIFICATIONS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range	32.768 kHz
Frequency Tolerance @ 25ºC	±20 PPM
Frequency Stability, ref @ 25ºC	-0.04PPM/(ΔºC)²
Temperature Range	
Turnover (TO)	+20ºC ~ +30ºC
Operating (TOPR)	-40ºC ~ +85ºC
Storage (TSTG)	-55ºC ~ +125ºC
Equivalent Series Resistance	65 kΩ
Load Capacitance (CL)	7 pF, 12.5pF Typ
Insulation Resistance @ 100VDC	500 MΩ Min
Drive Level	1.0 µW
Aging	±3 PPM

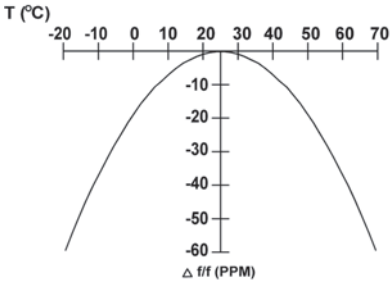
All specifications subject to change without notice. *Rev. 7/12/04*







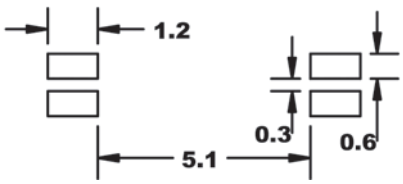
Parabolic Temperature Curve



To determine frequency stability, use parabolic curvature (K).
For example: What is stability at 45ºC?

1) Change in T (ºC) = 45-25 = 20ºC
2) Change in frequency = -0.04 PPM * (Δ C)²
= -0.04 PPM * (20)²
= -16.0 PPM

Recommended Solder Pad Layout



All dimensions are in millimeters.

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